PCT/US99/25458

1 MRGTRLALLALVLA ACGELAPALRCYV 2777282 1 MASRWAVQLLLVAAWSMGCGE ALKCYT GI 1536902	28 CPEPTGVSDCVTIATCTTNETMCKTTLYSR 2777282 28 CKEPMTSASCRTITRCKPEDTACMTTLVTV GI 1536902	58 EIVYPFQGDSTVTKSCASKCKPSDVDGIGQ 2777282 58 EAEYPFNQSPVVTRSCSSSCVATDPDSIGA GI 1536902	88 TLPVSCCNTELCNVDGAPALNSLHCGALTL 2777282 88 AHLIFCCFRDLCNSEGI 1536902	118 <u>L P L L S L R L</u> 103 L GI 1536902
, ,	- • • •	- .	-	

FIGURE 1

PCT/US99/25458

IGURE 2

LAIVALAVCAALHASEAILPIASS 4185824 LACLVAGFLGAWAPAVHTQGVFED GI 2388627	ISHHISRRLLERVNMCRIQRADGDC 4185824 HYPIGWAVLRRAWTYRIQEVSGSC GI 2388627	ILHU KRRRICVSPHNHTVKOWM 4185824 AIFYLPKRHRKVCGNPKSREVQRAM GI 2388627	KKNGKGNVCHRKK – – – – – HHGKR 4185824 JRNKVFAKLHHNMQTFQAGPHAVKK GI 2388627	AHQGKHETYGH4185824 ISKLSSSKFSNPISSSKRNVSLLIS GI 2388627	4185824
MOORGLAI MNLWLLAC	C C T E V S H H C C L A Y H Y P	DLAAVILH NLPAAIFY	KVQAAKKN KLLDARNK	DSNRAH (LSSGNS)	- K T P Y
\vdash	88	22	88	109	124

2484440 g853834	2484440 g853834	2484440 g853834	2484440 g853834	2484440 g853834	2484440 g853834	2484440 g853834	2484440 g853834
1 M ERGAHGGA 1 MLNQRIHPGMLVLLMFLYHFMEDHTAQAGN	10GGCLCLLPEG31 CWLRQARNGRCQVLYKTDLSKEECCKSGRL	20FRILGVKGGS 61 TTSWTEEDVNDNTLFKWMIFNGGAPNCIPC		30 LSEMSP 121 CSNITWKGPVCGLDGKTYRNECALLKARCK	44 EASPGTRPAESCEHVVCPRPQSCVV 151 EQPELEVQYQGKCKKTCRDVLCPGSSTCVV	69 DQTGSAHCVVCRAAPCPVPSSPGQELCGNN 181 DQTNNAYCVTCNRI-CPEPTSPEQYLCGND	99 NVTYISSCHMROATCFLGRSIG 210 GITYASACHLRKATCLLGRSIGLAYEGKCI

FIGURE 3A

щ
\mathcal{C}
田
\cong
ب
\mathbf{C}
H

2484440 g853834	2484440 g853834	2484440 g853834	2484440 g853834
		VRHAGSCAGTPEEPPGGESAE 2 ACSMGVLLEVKHSGSCNSINEDPEEEEDE 9	EEE - N F V D Q D Y S F P I S S I L E W
ıΩ	I D	ıΣ	<u> </u> >-
1 X	i H	I W	田口
- X - A - X	I 田 I 口	- A C	田口
			02
121 240	121 270	121	142 330

PCT/US99/25458

FIGURE 4

NGSIHSPRFPHTYPRNTVLVWRLVAVEENV 4163378 NGSITSPGWPKEYPPNKNCIWQLVAPTQY - GI 179500	WIQLTFDERFGLEDPEDDICKYDFVEVEE 4163378 RISLQFDF-FETEGNDVCKYDFVEVRSGGI 179500	1 - PSDGTILGRWCGSGTVPGKQISKGNQIRI 4163378 5 LTADSKLHGKFCGSEK-PEVITSQYNNMRV GI 179500	RFVSDEYFPSEPGFCIHYNIVMPQFTEAVS 4163378 BEFKSDNTV-SKKGFKAHFFSEK-R GI 179500	PSVLPPSALPLDL PALQPPRGRPHQL GI 179500
55	85	11 <u>4</u>	143	173
599	628	655	684	706